WHAT IS CLAIMED IS:

1.   A dual platform communication controller for use with a
2   wireless communication system, comprising:

3   a signal interpreter coupled to said wireless communication
4   system and configured to recognize a first signal packet based on
5   a first communication standard and a second signal packet based on
6   a second communication standard; and

7   a traffic manager coupled to said signal interpreter and
8   configured to provide a deterministic time-sharing between said
9   first and second signal packets within said wireless communication
10   system.

2.   The controller as recited in Claim 1 wherein said first
2   communication standard is configured to be IEEE 802.11.

3.   The controller as recited in Claim 1 wherein said second
2   communication standard is configured to be Bluetooth.

4.   The controller as recited in Claim 1 wherein said traffic
2   manager is configured to provide said deterministic time-sharing
3   between said first and second signal packets based on a real-time
4   requirement.

5. The controller as recited in Claim 1 wherein said traffic manager is configured to provide said deterministic time-sharing between said first and second signal packets based on a period of time.

6. The controller as recited in Claim 1 wherein said traffic manager is configured to provide said deterministic time-sharing between said first and second signal packets by inhibiting a transmission capability of at least one of said first and second signal packets.

7. The controller as recited in Claim 1 wherein said traffic manager is further configured to operate in a default state having a listening mode and a standby mode.

8.   A method of controlling a dual platform communication for

2   use with a wireless communication system, comprising:

3   recognizing a first signal packet based on a first

4   communication standard and a second signal packet based on a second

5   communication standard; and

6   providing a deterministic time-sharing between said first and

7   second signal packets within said wireless communication system.

9.   The method as recited in Claim 8 wherein said first

2   communication standard is IEEE 802.11.

10.   The method as recited in Claim 8 wherein said second

2   communication standard is Bluetooth.

11.   The method as recited in Claim 8 wherein said providing

2   a deterministic time-sharing between said first and second signal

3   packets is based on a real-time requirement.

12.   The method as recited in Claim 8 wherein said providing

2   said deterministic time-sharing between said first and second

3   signal packets is based on a period of time.

13.   The method as recited in Claim 8 wherein said providing said deterministic time-sharing between said first and second signal packets employs inhibiting a transmission capability of at least one of said first and second signal packets.

14.   The method as recited in Claim 8 wherein said providing further provides operating in a default state having a listening mode and a standby mode.

15.   A wireless communication system, comprising:

2   a first wireless network based on a first communication

3   standard that employs a first wireless station and a first signal

4   packet;

5   a second wireless network based on a second communication

6   standard that employs a second wireless station and a second signal

7   packet; and

8   a dual platform communication controller coupled to said first

9   and second wireless networks, including:

10   a signal interpreter that recognizes said first signal

11   packet based on said first communication standard and said

12   second signal packet based on said second communication

13   standard, and

14   a traffic manager, coupled to said signal interpreter,

15   that provides a deterministic time-sharing between said first

16   and second signal packets within said wireless communication

17   system.

16.   The system as recited in Claim 15 wherein said first

2   communication standard is IEEE 802.11.

17.   The system as recited in Claim 15 wherein said second

2   communication standard is Bluetooth.

18. The system as recited in Claim 15 wherein said traffic manager provides said deterministic time-sharing between said first and second signal packets based on a real-time requirement.

19. The system as recited in Claim 15 wherein said traffic manager provides said deterministic time-sharing between said first and second signal packets based on a period of time.

20. The system as recited in Claim 15 wherein said traffic manager provides said deterministic time-sharing between said first and second signal packets by inhibiting a transmission capability of at least one of said first and second signal packets.

21. The system as recited in Claim 15 wherein said traffic manager further operates in a default state having a listening mode and a standby mode.